MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{(4.90+5.50)}{2}$	x 0.025	3.90	
		1	30.00	$\frac{(5.50+5.80)}{2}$	x 0.025	4.23	
		1	30.00	$\frac{(5.80+5.60)}{2}$	x 0.025	4.27	
		1	29.00	$\frac{(5.60+5.30)}{2}$	x 0.025	3.95	
	6th Cross	1	30.00	$\frac{(5.20+5.40)}{2}$	x 0.025	4.35	
		1	30.00	$\frac{(5.40+5.20)}{2}$	x 0.025	3.97	
		1	30.00	$\frac{(5.20+5.50)}{2}$	x 0.025	4.01	
		1	30.00	$\frac{(5.50+5.60)}{2}$	x 0.025	4.16	

Serial No.....

Name of work.....

Name of Contractor of nature of Agency..

Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
	7th Cross	1

Contents	Reference to last Measurement
7	8

I ST AND Final Bill

Work Code - 006-13-000026

Est Cost Rs - 40.00 Lakhs

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11

194823

Serial No. Improvements to Roads and Drains

Name of work At Bhuvaneshwarinagara in Ward No. 06 Byatarayanapura Sub division. From To

Name of Contractor of nature of Agency M/s KRIDL East Park Road Malleshwaram. B.Lore-03

Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work order no -					EE/BFP/KRIDL/W.O/472/2012-13	
	① Earth work in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings (covers), road, drains and trenches of pipe line and culverts) and removing the excavated stuff to a distance not exceeding 50 mtr and lift up to 1.50 mtr excavated surface levelled and neatly dressed disposed earth to be levelled after breaking of clods complete as per specification.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1). A	As per Pre. measurment recorded vide Page No. 194880 to 194883 & This MB. 711.60 m						
2) A	Rate 112:32						80638:51
2)	Construction & embankment with approved & onesential gravel/murrum with all lifts and leads transporting to site spreading grading to required slope and compacting to meet requirement table 300.2 complete as per specification with incidentals coat & gravel/murrum wastering charges and compacting etc. complete as per specification.						

M.A

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	As per Pre-Meas No. 194884 to	
	Rate 146:88	
3)	Providing laying spr stones aggregate to including premixing emc in mechanical	

BOOK

ons Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
ment recorded			Vide
194883		& This MB. 711.60	5 M 80638:51
ent with approved & with rec'd rates and leads ding grading as required t measurement basis sification which includes ring charges and compaction action.			

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 194824

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	As per Pre-measurement recorded vide page No. 194884 to 194886 & This MB. Page 146:88					1020.00 3 M	149817:60
3)	Providing laying spreading and compacting graded stones aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage & mixed						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	method of tipper to size laying in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achive the desired density Compose as per specification.						
	As per Pre. Measurement recorded vide Page No. 194886 to 194888 of this MB.					1020.00 m^3	
	Rate 1059:48						1080669:6
4)	Providing and applying Primer coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 Sq mtr of surface of low and medium Porosity						

Serial No.....

Name of work.....

Name of Contractor of nature of

Date of commencement of work.

Date	Full description, etc, of wor
1	2
	Prepared su Mc.70 or any as to us per fixed with s Lasoun Compa As per Pre. NO.. 1948 Rate 85:10

OK

	Depth 6	Contents 7	Reference to last Measurement 8
ing in uniform layers ense on well Prepared with vibratory Roller dry Compose as per			
ment recorded vide 888 of This MB. 1020.00 m^3 1080669=6			
inner coat from 7.5 to to Sq mtr of Surface ly grees pressing over			

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 194825

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Prepared Surface of granular base with cut & fill MC-70 or any other bitumen mixed with diesel as per Specification heated in bitumen boiler fitted with Spray set including cost & removal Lasoun Compose as per Specification.					recorded vide page of This MB. 5100.00 m^2 434010:00	
	As per Pre-measurement No.. 194888 to 194891 Page 85:10						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
5)	Providing and laying bituminous mecadam on prepared surface with crushed coarse aggregate as per design mix formula for base / binding course including loading aggregate with FE loader hot mixing of stone aggregate and bitumen in hot mix plant hot mix capacity transporting the mixed material in tipper to paver and laying mixed material with paver finisher to the required level and grade rolling by power roller to achieve the desired density 50/75 mm compacted thickness with 3.3% bitumen excluding cost of primer / tack coat with lead up to 1 km including cost of material complete as per specification.						

Serial No.....

Name of work.....

Name of Contractor of nature of A

Date of commencement of work..

Date	Full description, etc, of work
1	2
	As per pre
	Page No. 19
	Rate 6368
6)	Providing and
	such as WBM a
	@ 10 kg per sq
	with spray set

BOOK

s		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
m's Nous mecadam on			
shed Coarse aggregate			
a per base / binding			
aggregate with FE			
e aggregate and bitumen			
e capacity transporting			
per to paver and laying			
ver finisher to the desired			
power roller to achieve			
m compacted thickness			
ding cost & Primer / tack			
including cost & material			
ion.			

M.A.R. 57 (Rule 116)

Measurement Book No. A/11

194826

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per pre-measurement recorded vide page No. 194891 to 194893					vide this MB. 153.00 M²	
	Rate 6368:50						974380 :00
	6) Providing and applying tack coat on granular base such as WBM and WMM surfaces hot bitumen primed as 10 kg per 10 sq mtr heating bitumen in boiler fitted with spray set (excluding cleaning & road surface)						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	including cost & all necessary lead conveyance as per Specification.						
	As per Pre-measurement recorded vide Page No. 194894 to 194896 of This M.B.					2040.00 m²	
	Rate 26:24						53529:6
7)	providing and laying Semi dense bituminous concrete with 100-120 TPH batch type HMP producing on average out put of 75 tonnes per hour using crushed aggregate & specified grading premixed with bituminous binder @ 4.5 to 5% & mixed						

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	Over transporting with a hydrostatic control to the area roving with smooth wheeled to the desired respects as per Spec 5th cross	1
		1
		1

BOOK

ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
...esent als		Laboun Compose	
...ment recorded vide			
194896 & This MB.			
		2040.00 m²	
		53529=6	
...mi dense bituminous			
...H batch type HMP producing			
...5 tonnes per hour using			
...specified grading premixed			
...bar of 4.5 to 5% bitumen and			

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 194827

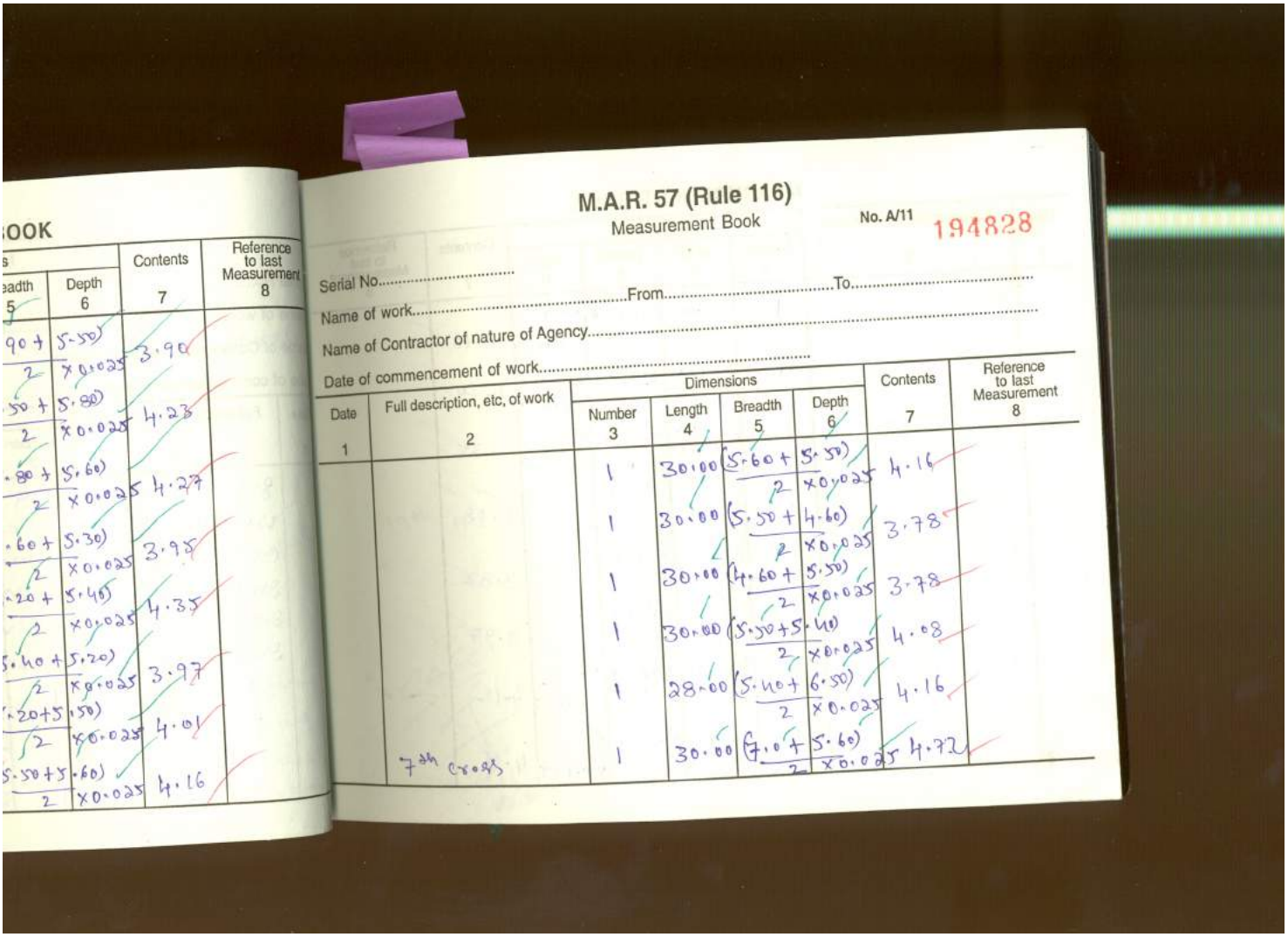
Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Laying transporting the hot mix to work site using with a hydrostatic paver finisher with sensor control to the required grade, level and alignment rolling with smooth wheeled vibrator and tandem rollers to the desired compaction Compacted in all respects as per specification.						
	5th cross	1	30.00	$\frac{(6.60+5.65)}{2}$	×0.025	4.59	
		1	30.00	$\frac{(5.65+5.0)}{2}$	×0.025	3.99	
		1	30.00	$\frac{(5.0+4.90)}{2}$	×0.025	3.71	



OOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
90 + 5.50) / 2	x 0.025	3.90	
50 + 5.80) / 2	x 0.025	4.23	
.80 + 5.60) / 2	x 0.025	4.27	
.60 + 5.30) / 2	x 0.025	3.95	
.20 + 5.40) / 2	x 0.025	4.35	
5.40 + 5.20) / 2	x 0.025	3.97	
.20+5.50) / 2	x 0.025	4.01	
5.50+5.60) / 2	x 0.025	4.16	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 194828

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30.00	(5.60 + 5.50) / 2	x 0.025	4.16	
		1	30.00	(5.50 + 4.60) / 2	x 0.025	3.78	
		1	30.00	(4.60 + 5.50) / 2	x 0.025	3.78	
		1	30.00	(5.50+5.40) / 2	x 0.025	4.08	
		1	28.00	(5.40+ 6.50) / 2	x 0.025	4.16	
	7th cross	1	30.00	(7.0 + 5.60) / 2	x 0.025	4.72	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{(5.60+5.50)}{2}$	×0.025	4.16	
		1	30.00	$\frac{(5.50+5.70)}{2}$	×0.025	4.20	
		1	30.00	$\frac{(5.70+5.90)}{2}$	×0.025	4.35	
		1	30.00	$\frac{(5.90+5.0)}{2}$	×0.025	4.08	
		1	30.00	$\frac{(5.0+5.20)}{2}$	×0.025	3.82	
		1	30.00	$\frac{(5.20+5.40)}{2}$	×0.025	3.97	
		1	30.00	$\frac{(5.40+5.60)}{2}$	×0.025	4.12	
		1	30.00	$\frac{(5.60+5.30)}{2}$	×0.025	4.16	

Serial No.....

Name of work.....

Name of Contractor of nature of

Date of commencement of work

Date	Full description, etc, of wo
1	2
	19th A cross
	Cote
	29/6/20

T BOOK

nsions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(5.60 + 5.50) / 2	× 0.025	4.16	
(5.50 + 5.70) / 2	× 0.025	4.20	
(5.70 + 5.90) / 2	× 0.025	4.35	
(5.90 + 5.0) / 2	× 0.025	4.08	
(5.0 + 5.20) / 2	× 0.025	3.82	
(5.20 + 5.40) / 2	× 0.025	3.97	
(5.40 + 5.60) / 2	× 0.025	4.12	
(5.60 + 5.50) / 2	× 0.025	4.16	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 194829

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	05.50 / 10.00 / 02.70	5.50	0.025	2.64	
	19th A cross	1	30.00	(6.40 + 6.20) / 2	× 0.025	4.72	
		1	30.00	(6.20 + 5.90) / 2	× 0.025	4.53	
		1	30.00	(5.90 + 5.60) / 2	× 0.025	4.31	
	Cote'	1	18.00	(5.60 + 5.50) / 2	× 0.025	2.49	
	29/6/2013 S.D. (illegible)	1	10.70	5.50	0.025	1.47	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	20M A cross.	1	30.00	(5.30 + 5.80) / 2	× 0.025	4.23	
		1	8.00	5.00	0.025	1.00	
	Rej. 29/6/17 AE-06					127.50 M3	
	Rate 9241:80			C&F.C	Day 29/6/17		1178329:
(8)	Lead for disposal of debries shall be payed at carriage rates by mechanical means including loading and unloading exc. compense.						
	Quantity vide item No. (1)					711.60 M3	
	Rate 67:32						47904:9

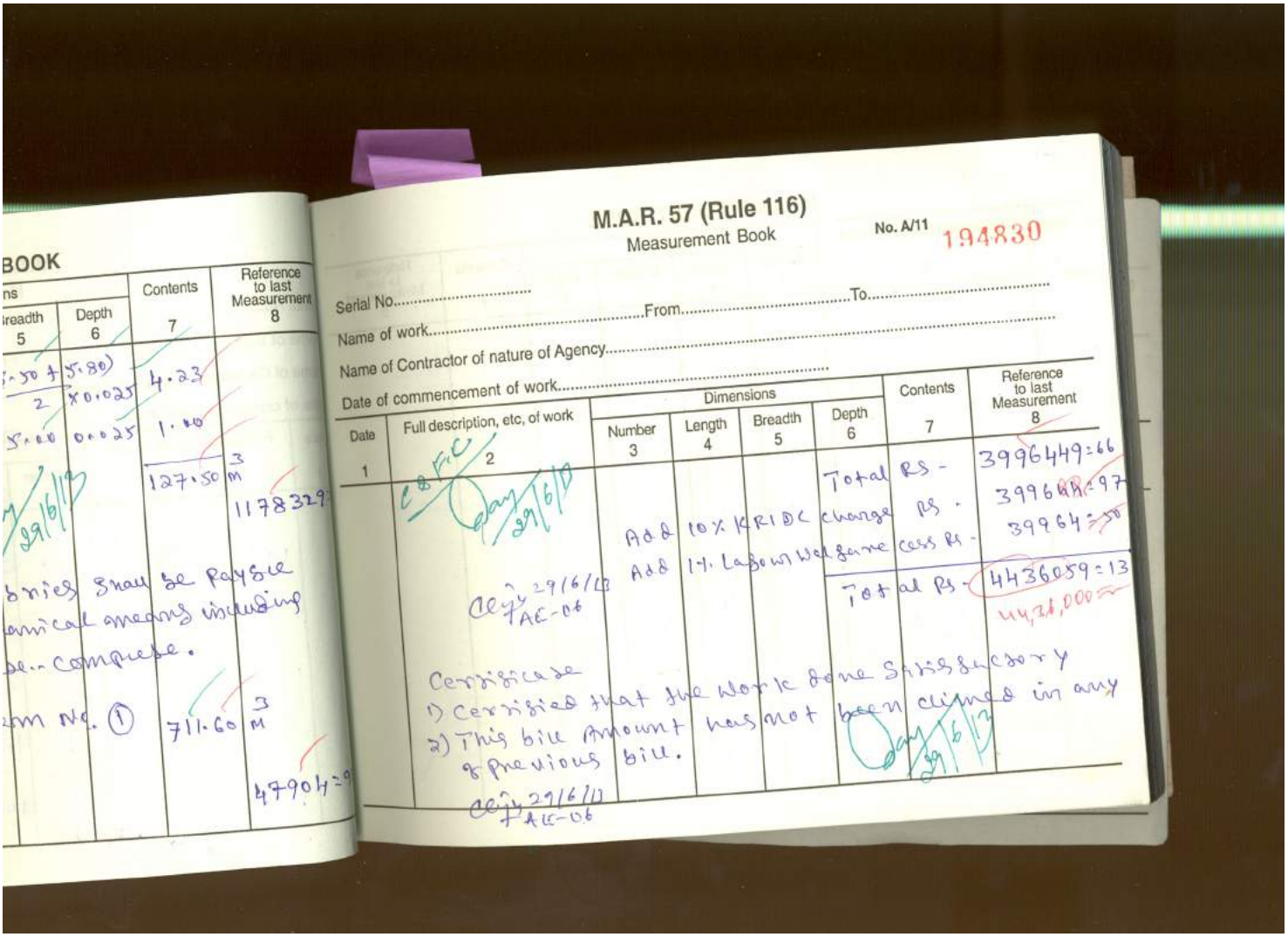
Serial No.....

Name of work.....

Name of Contractor of nature of Age

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	C&F.C Day 29/6/17
	Rej. 29/6/17 AE-06
	Certificate 1) Certified th 2) This bill Am & previous
	Rej. 29/6/17 AE-06



BOOK

ns Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
5.50 + 5.80 / 2	× 0.025	4.23	
5.00	0.00 25	1.00	
		127.50 3 M	1178329
bries shall be Payse			
anical means including			
se. complete.			
rm No. (1)		711.60 3 M	47904=9

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 194830

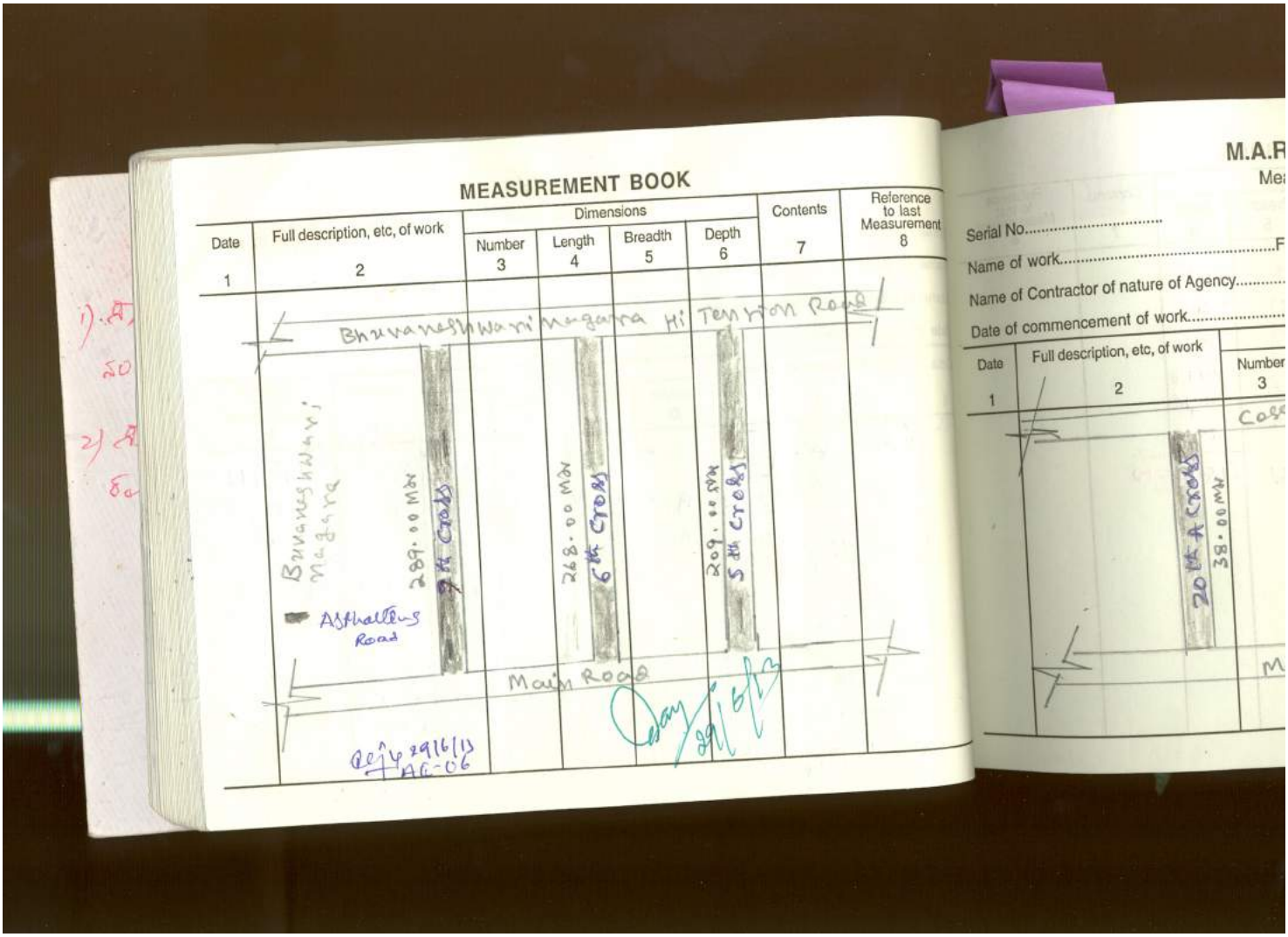
Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	C & F C Qay 29/6/17				Total charge	Rs -	3996449=66
						Rs -	3996449=97
						cess Rs -	39964=50
	Add 10% KRIDC						
	Add 1% Labour Welfare						
	Qay 29/6/17 AE-06					Total Rs -	4436059=13
							4436,000=00
	Certificate 1) Certified that the work done Satisfactory 2) This bill Amount has not been claimed in any previous bill. Qay 29/6/17 AE-06						



MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Bhuvaneshwari Nagara Hi Tension Road						
	Bhuvaneshwari Nagara Asphalting Road 289.00 Mtr 9 Mt Cross		268.00 Mtr 6 Mt Cross		209.00 Mtr 5 Mt Cross		
	Main Road						
	Rej 29/6/13 AG-06						

M.A.R

Mea

Serial No.....

Name of work.....F

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	Case	
	20 Mt A Cross 38.00 Mtr	
	M	

BOOK

ns Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 194831

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Cossie Bound Main Road						
	20 ft A Cross 38.00 MW		19 ft A Cross 118.70 MW			Buvaneswari Nagara Asphalting Road	
	Main Road						

29/5/13